

ANNUAL SHELLFISH MANAGEMENT REVIEW
for the period
January 1st to December 31st, 2007

Municipality: Harpswell

Date: 02/13/08

The Shellfish Conservation Committee submits the following information in partial fulfillment of its responsibilities under Chapter 7 of the Department of Marine Resources Regulations and the Shellfish Conservation Ordinance of this municipality.

Statement of Management Goals and Implementation Actions

The goals of shellfish management for this municipality have been: (check only one of each pair)

- 1) ☒ provide a harvesting opportunity for the maximum number of participants
☐ maximize individual harvest by minimizing the number of participants
- 2) ☒ increase the clam resource through various enhancement activities
☐ maintain a sustainable yield through the vigorous use of production controls
- 3) ☐ provide for recreational harvesting in preference to commercial harvesting
☒ provide for commercial harvesting in preference to recreational harvesting
- 4) ☐ maximize the economic value of the resource by adjusting production
☒ maintain a constant production to provide a steady but variable income

The following management controls were utilized: (check all that apply)

- ☒ limit the number of commercial harvesters
- ☐ limit the number of recreational harvesters
- ☐ restrict times of harvest
- ☐ restrict the areas of harvest
- ☐ limit the amount of commercial harvest
- ☐ limit the amount of recreational harvest
- ☐ other:

The following management activities were undertaken: (check all that apply)

- ☒ predator protection through fencing, netting, trapping and etc.
- ☒ reseeding from high density areas or seeding with hatchery stock
- ☐ flat surveys to determine size distribution and density
- ☐ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☒ establishing conservation areas for flat rotation
- ☐ other:___

Shellfish Committee/Staff**Municipality:** Harpswell

Title	Name	Mailing Address	Telephone
Chair	<u>Scott Moody</u>	<u>337 Cundy's Harbor Rd, Harpswell, ME 04079</u>	<u>751-9907</u>
Vice Chair	<u>Weston Watts</u>	<u>343 Cundy's Harbor Rd, Harpswell, ME 04079</u>	<u>729-1403</u>
Secretary	<u>Shelly Wilson</u>	<u>Harpswell Neck Rd, Harpswell, ME 04079</u>	<u>833-5314</u>
Member(s)	<u>David Wilson</u>	<u>Harpswell Neck Rd, Harpswell, ME 04079</u>	<u>833-5314</u>
	<u>George Bradbury</u>	<u>P.O. Box 237, Harpswell, ME 04079</u>	<u>833-5771</u>
Selectmen/ Council Rep.	<u>Samuel Alexander</u>	<u>410 Harps. Neck Rd, Harpswell, ME 04079</u>	<u>729-8842</u>
Wardens	<u>George Bradbury</u>	<u>263 Mountain Rd, Harpswell, ME 04079</u>	<u>833-5771</u>
	<u>Sam Cafone</u>	<u>263 Mountain Rd, Harpswell, ME 040779</u>	<u>833-5771</u>
WQSpec(s)			

Committee MeetingsThe Shellfish Committee holds regularly scheduled meetings: ☒ yes ☐ noThe following number of meetings was held during the past year: 12Minutes of meetings are recorded, filed and are available upon request: ☒ yes ☐ no**Conservation Credit**The opportunity to obtain conservation credit is provided: ☒ yes ☐ noThe total number of conservation hours needed to obtain credit is 12.Conservation credit is required to obtain a: ☒ renewal license☐ new license

Conservation hours are given for:

- | | | |
|---|---|---|
| <input type="checkbox"/> meeting attendance | <input checked="" type="checkbox"/> coastal cleanup | <input type="checkbox"/> brushing |
| <input type="checkbox"/> committee service | <input checked="" type="checkbox"/> surveys | <input type="checkbox"/> predator control |
| <input type="checkbox"/> educational activities | <input checked="" type="checkbox"/> reseeding | <input type="checkbox"/> |

If conservation credit is not provided, the total number of volunteer man-hours documented for management activities during the past year is: n/a.

Summary of Warden Activities

Municipality: Harpswell

Hours Patrolled:	<u>3,840</u>
Diggers Checked:	<u>494</u>
Warnings Given:	<u>35</u>
Summon Issued:	<u>9</u>
Court Appearances:	<u>0</u>
Convictions:	

Enforcement of the shellfish management ordinance has been: ☒ satisfactory
☐ unsatisfactory

Enforcement could be improved by:

<input type="checkbox"/>	more hours patrolled	<input type="checkbox"/>	better training
<input type="checkbox"/>	more wardens	<input type="checkbox"/>	greater state support
<input checked="" type="checkbox"/>	better equipment	<input type="checkbox"/>	other:

The warden is provided with a written job description: ☒ yes ☐ no

Production Data Collected by the Warden

Month	Avg. Daily Catch/Digger	Avg. # of Diggers/Day	Total # of Days Dug	Total Lbs [] or Bu [X]
January	1	6	29e	174
February	1.5	8	20e	240
March	2	15	31	930
April	3	15	25b	1,125
May	3	20	31	1,860
June	4	20	30	2,400
July	4	25	31	3,100
August	4	20	31	2,480
September	3	20	30	1,800
October	2	15	31	930
November	1	10	30	300
December	1	8	31	248
			TOTAL	15,587

Warden(s)

Training Date

Nomination Date

<i>George Bradbury</i>	<i>5/4/07</i>	<i>2/22/07</i>
<i>Raymond McIntire</i>	<i>5/4/07</i>	<i>2/20/07</i>
<i>Sam Cafone</i>	<i>n/a</i>	<i>6/15/07</i>

Shellfish Conservation Budget**Municipality:** Harpswell

License Receipts	Allocation	Sold	Received
<i>Commercial</i>			
Resident	69	69	\$13,800
Nonresident	7	7	\$2,800
Senior Resident	4	4	\$400
Senior Nonresident	1	1	\$200
Junior/Student Resident	9	0	\$0
Junior/Student Nonresident	1	0	\$0
Other: <i>na/</i>	0	0	\$0
<i>Recreational</i>			
Resident	<i>Unlimited</i>	307	\$3,090
Nonresident	10%	26	\$520
Daily/Weekly/Monthly Res.	0	0	\$0
Daily/Weekly/Monthly Nonres.	0	0	\$0
Senior Resident	0	0	\$0
Senior Nonresident	0	0	\$0
Junior/Student Resident	0	0	\$0
Junior/Student Nonresident	0	0	\$0
Other: <i>n/a</i>	0	0	\$0
SUBTOTAL (1)			\$20,810
Receipts Independent of License Fees			
Shellfish Conservation Account Carried Forward			\$0
Funds Raised for Warden			\$165,132
Funds Raised for Management Activities			\$2,000
Fines			\$302
Other			\$0
SUBTOTAL (2)			\$167,434
TOTAL Receipts (1+2)			\$188,244
Disbursements			
Warden Salary			\$142,934
Mileage			\$12,449
Clothing			\$1,000
Equipment			\$6,000
Training			\$2,749
SUBTOTAL (3)			\$165,132
Advertising			\$300
Supplies			\$464
Surveys			\$0
Seeding			\$0
Miscellaneous			\$0
SUBTOTAL (4)			\$764
TOTAL Disbursements (3+4)			\$165,896

Proposed Management Controls

Municipality: Harpswell

The following management controls will be utilized for the coming year: (check all that apply)

- ☒ limit the number of commercial harvesters
- ☐ limit the number of recreational harvesters
- ☐ restrict times of harvest
- ☐ restrict the areas of harvest
- ☐ limit the amount of commercial harvest
- ☒ limit the amount of recreational harvest
- ☐ other: *n/a*

Proposed Shellfish Licenses

<u>License</u>	<u>Number</u>	<u>Cost @</u>
<i>Commercial</i>		
Resident	<u>65</u>	<u>\$200</u>
Nonresident	<u>6</u>	<u>\$400</u>
Senior Resident	<u>5</u>	<u>\$100</u>
Senior Nonresident	<u>1</u>	<u>\$200</u>
Junior/Student Resident	<u>5</u>	<u>\$100</u>
Junior/Student Nonresident	<u></u>	<u></u>
Other	<u></u>	<u></u>
<i>Recreational</i>		
Resident	<u>NL</u>	<u>\$10</u>
Nonresident	<u>10%</u>	<u>\$20</u>
Daily/Weekly Monthly Res.	<u></u>	<u></u>
Daily/Weekly Monthly Nonres.	<u></u>	<u></u>
Senior Resident	<u>NL</u>	<u>\$0</u>
Senior Nonresident	<u>10%</u>	<u>\$0</u>
Junior/Student Resident	<u>0</u>	<u></u>
Junior/Student Nonresident	<u>0</u>	<u></u>
Other	<u>0</u>	<u></u>

License number determination is based upon: ☐ calculation using survey data
☒ survey data as a guide
☐ harvester input
☐ need/demand

The above numbers are:

- ☐ tentative, the actual numbers to be determined later
- ☒ firm, have been or will be submitted to DMR

Proposed Management Activities

Municipality: Harpwell

The following management activities will be undertaken during the coming year: (check all that apply)

- ☒ predator protection through fencing, netting, trapping and etc.
- ☒ reseeding from high density areas or with hatchery stock
- ☒ flat surveys to determine size distribution and density
- ☐ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☐ establishing conservation areas for flat rotation
- ☐ other:

In order to implement these management activities the committee will utilize: (check all that apply)

- ☒ harvesters vested with conservation credit
- ☒ harvester volunteers
- ☐ paid harvesters
- ☐ municipal employees
- ☐ paid consultants
- ☐ other:

To provide a forum for harvester input in management planning, the shellfish committee plans to meet:

- ☐ annually
- ☐ biannually
- ☐ quarterly
- ☐ bimonthly
- ☒ monthly

Meeting notification for other than regularly scheduled meetings is by:

- ☒ mailing ☐ phone call ☒ posting ☒ newspaper ☐ word of mouth

In order to keep the DMR informed and to solicit advice on management activities, the shellfish committee will:

- ☒ request the area biologist to participate in all meetings
- ☐ request the area biologist to participate in only specific meetings
- ☐ invite the area biologist to attend all meetings
- ☐ invite the area biologist to attend only specific meetings

Summary of Clam Flat Survey Data**Municipality:** Harpswell

The following is a list of surveys conducted during the past year. Survey data should be attached if not previously provided to DMR. [] No surveys were conducted.

Clam Flat	Survey Date	Acreage	Density (bu/a)	Standing Crop (bu.)	%>2" by vol.
<i>Clay Cove</i>	<i>12/29/07</i>	<i>6.9</i>	<i>93.7</i>	<i>646</i>	<i>86</i>
<i>Harpswell Cove</i>	<i>12/28/07</i>	<i>9.2</i>	<i>62.9</i>	<i>579</i>	<i>20</i>
<i>Laurel Cove</i>	<i>9/26/07</i>	<i>3.7</i>	<i>95</i>	<i>355</i>	<i>53</i>
<i>Mill Cove Dingley</i>	<i>10/6/07</i>	<i>2.1</i>	<i>137.7</i>	<i>293</i>	<i>86</i>
<i>Northeast Cove</i>	<i>10/6/07</i>	<i>2.1</i>	<i>22.8</i>	<i>47</i>	<i>95</i>
<i>Scrag Island</i>	<i>10/30/07</i>	<i>5.7</i>	<i>114.9</i>	<i>660</i>	<i>86</i>
<i>Reed Cove</i>	<i>10/7/07</i>	<i>2.8</i>	<i>203.8</i>	<i>574</i>	<i>83</i>
<i>Whites Island</i>	<i>10/16/07</i>	<i>5.7</i>	<i>66.7</i>	<i>384</i>	<i>73</i>
<i>Winding Way Cove</i>	<i>8/17/07</i>	<i>1.4</i>	<i>21.2</i>	<i>29</i>	<i>34</i>

The flats surveyed represent approximately 12 % of the total productive flats.

Summary of Transplant Activities**Municipality:** Harpowell

The following seeding / reseeding activities were conducted during the past year.

[] No seeding / reseeding activities were conducted.

	Event 1	Event 2	Event 3	Event 4
Date	3/10	3/11	3/10	3/11
Supervisor	Weston Watts	Weston Watts	David Wilson	David Wilson
Crew #	17	18	4	7
Amount	5 Bushell	7 Bushell	1.2 Bushell	2.3 Bushell
Mean Size (in.)	1	1	0.75	0.75
Size Range (in.)	1/2 to 1 1/2	1/2 to 1 1/2	0.5 to 1.0	0.5 to 1.0
Source				
Source Flat	Dingley Inside	Dingley Inside	Dingley Interior	Dingley Interior
Receiv. Flat	Outside Dingley	Outside Dingley	Dingley Exterior	Dingley Exterior
Netted (y/n)	Rolled & Planted	Rolled & Planted	No	No
Closed until	n/a	n/a	n/a	n/a

	Event 5	Event 6	Event 7	Event 8
Date	5/27	5/18		
Supervisor	Scott Moody	Walter Ward		
Crew #	26	16		
Amount	12 Bushell	14 Bushell		
Mean Size (in)	0.75	0.75		
Size Range (in)	1/2 to 1	1/2 to 1		
Source				
Source Flat	N. Dingley	Dingley Interior		
Receiv. Flat	Bombazine	Oakledge		
Netted (y/n)	No	No		
Closed until	n/a	n/a		

Summary of Conservation Closures

Municipality: Harpowell

The following is a list of conservation closures implemented or in effect during the past year.
(This table is for areas normally open.) ☒ No conservation areas were closed.

Conservation Area	Acreage	Closing Date	Opening Date	Days Closed*	Reason

*during 2007

Summary of Conservation Openings

The following is a list of conservation openings implemented or in effect during the past year.
(This table is for areas normally closed.) ☒ No conservation areas were opened.

Conservation Area	Acreage	Opening Date	Closing Date	Days Open*	Reason

*during 2007

Additional Activities**Municipality:** HarpswellSpatfall Enhancement

The following is a list of activities to promote clam settlement such as brushing, flat roughing, tenting or netting. ☒ No such activities were conducted.

Location	Date	Description

Predator Protection

The following is a list of activities to protect clams from predators such as trapping, netting and hand collecting. ☒ No such activities were conducted.

Location	Date	Description

Other Activities

The following is a list of other activities that benefit, directly or indirectly, the management program such as educational projects, participation in regional councils and shoreline cleanup.
[] No such activities were conducted.

Location	Date	Description
<i>Barnes Is., Stovers and Harpswell Coves</i>	<i>10/6</i>	<i>Coastal Cleanup</i>
<i>High Head, Clark Cove, Oak Ledge</i>	<i>10/7</i>	<i>Coastal Cleanup</i>